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| CLASS : BE 7 [S7] | | SUBJECT : JavaScript | |
| EXPT. NO. : 4 | Roll No.: 42373 | | DATE : |
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| CODE : | | | |
| <!DOCTYPE html>  <html>  <body style="text-align: center; background-color: beige;"></body>>  <h1>String Comparison</h1>  <h2>42372 V Raghavendra Reddy</h2>  <br>  String 1= <input type="text" id="st1" value=" ">  <br></br>  String 2= <input type="text" id="st2" value=" ">  <br><br>  <button style="background:rgb(20, 214, 191)" id="myBtn" onclick="set\_string()">Compare Strings</button>    <br>Result using to uppercase() method= <p id="casing"></p>  <br>Result using to RegEx method: <p id="regex"></p>  <br>Result using localeCompare method: <p id="locom"></p>  <br>Result using Strict Eqaulity method: <p id="equality"></p>  <br>Result using User Defined Method (comparing ASCII Values):<p id="userdef"></p>  <script>  function set\_string()  {  var string1 = document.getElementById("st1").value;  var string2 = document.getElementById("st2").value;  document.getElementById("casing").innerHTML="";  document.getElementById("regex").innerHTML="";  document.getElementById("locom").innerHTML="";  document.getElementById("equality").innerHTML="";  document.getElementById("userdef").innerHTML="";  com1(string1,string2);  com2(string1,string2);  com3(string1,string2);  com4(string1,string2);  com5(string1,string2);  }    function com1(string1,string2)  {    var ot;  const result1 = string1.toUpperCase() === string2.toUpperCase();    if(result1) {  ot="The strings are similar ";    } else {  ot="The strings are not similar ";      }    document.getElementById("casing").innerHTML=ot;  }      function com2(string1,string2)  {    const pattern = new RegExp(string1, "gi");  var ot;  // compare the stings  const result2 = pattern.test(string2)    if(result2) {  ot="The strings are similar <br><br>";      } else {  ot="The strings are not similar <br><br>";      }  document.getElementById("regex").innerHTML=ot;  }  function com3(string1,string2)  {  // program to perform case insensitive string comparison  var ot;  const result3 = string1.localeCompare(string2, undefined, { sensitivity: 'base' });    if(result3 == 0) {  ot="The strings are similar <br><br>";    } else {  ot="The strings are not similar <br><br>";      }  document.getElementById("locom").innerHTML=ot;  }  function com4(string1,string2)  {    var ot;    if( string1 === string2)  {  ot="The strings are similar <br><br>";    }  else  {  ot="The strings are not similar";    }  document.getElementById("equality").innerHTML=ot;  }  function com5(string1, string2){  var op;  if(string1.length!=string2.length) {op="String 1 size is not the same as String 2 size";}  else{  let i=0;  for(;i<string1.length;i++){  if(string1.charCodeAt(i)!=string2.charCodeAt(i)) {op=`String 1 and String 2 are not equal as ASCII value of charachters at index ${i} are not equal.`; break;}  }  if(i==string1.length) op="String 1 and String 2 are equal";}    document.getElementById("userdef").innerHTML=op;  }  </script>  </body>  </html> | | | |
| OUTPUT : | | | |
| A screenshot of a computer  Description automatically generated | | | |